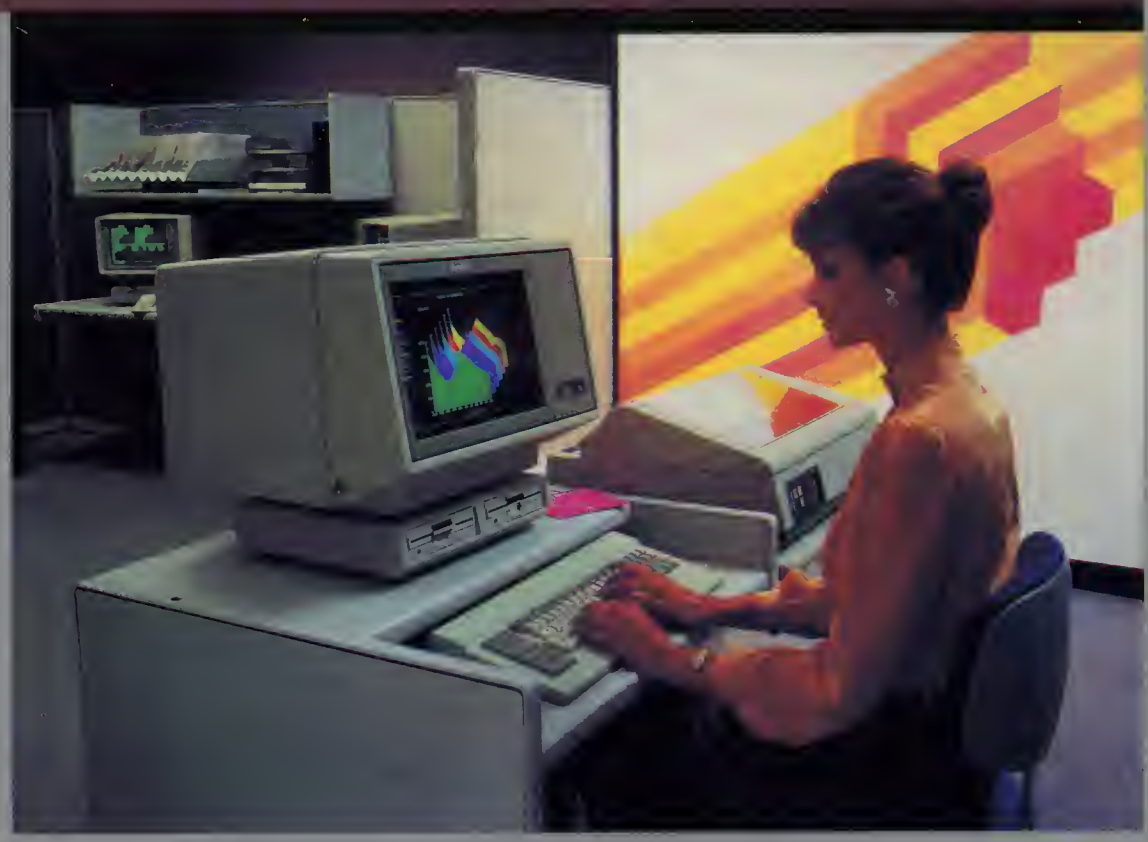
UTS 60 TERMINAL

SPERRY

THE UTS FAMILY OF TERMINALS:
NOW WITH COLOR AND GRAPHICS...



When looking for trends or comparisons in business, a manager wants to grasp the meaning of a report quickly.

Unfortunately, this can be difficult when a manager needs to decipher column after column of numbers on either a video display terminal or on a print out.

Now, with the graphics capability of the UTS 60, numbers can be converted into easy-to-grasp charts in seconds. And for greater emphasis and clarity, a second dimension can be added to the graphics—color.

The UTS 60, the newest member of the highly acclaimed UTS family of terminals, offers 16 colors and a number of graphic possibilities.

Lines, polygons, arcs, sectors, rectangles and circles—each can be added to illustrate reports and each can be in a different color.

And since the UTS 60 is so versatile, the graphics capabilities of the UTS 60 are available both on-line and stand-alone.

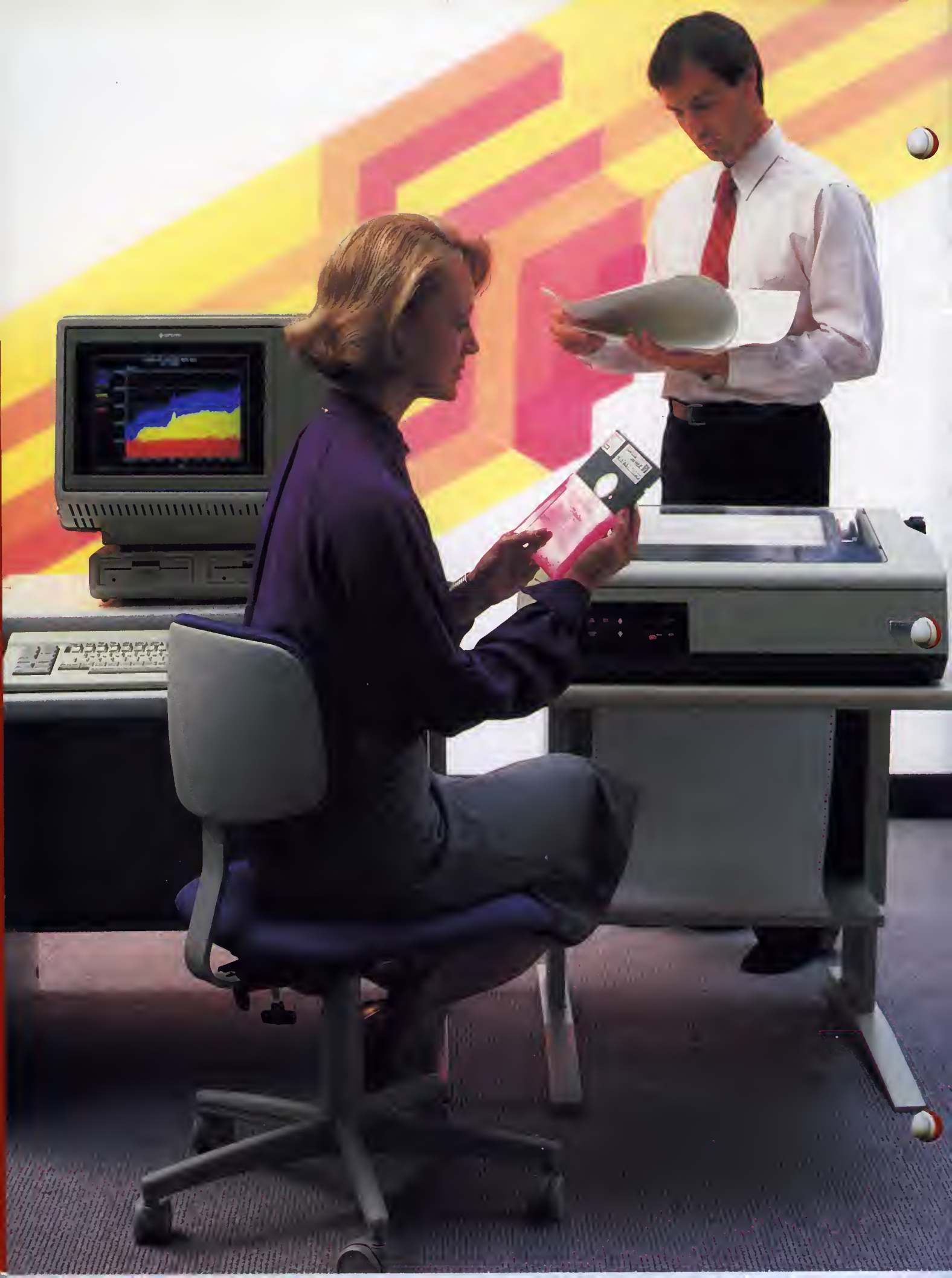
So whether the UTS 60 is being used as a personal computer or connected to the MAPPER system, a software system designed for non-data processing professionals, the UTS 60 can transform numbers into a variety of shapes and colors.

The UTS 60 can also be used primarily for graphics. It can accommodate a graphics input tablet and multi-pen plotter.

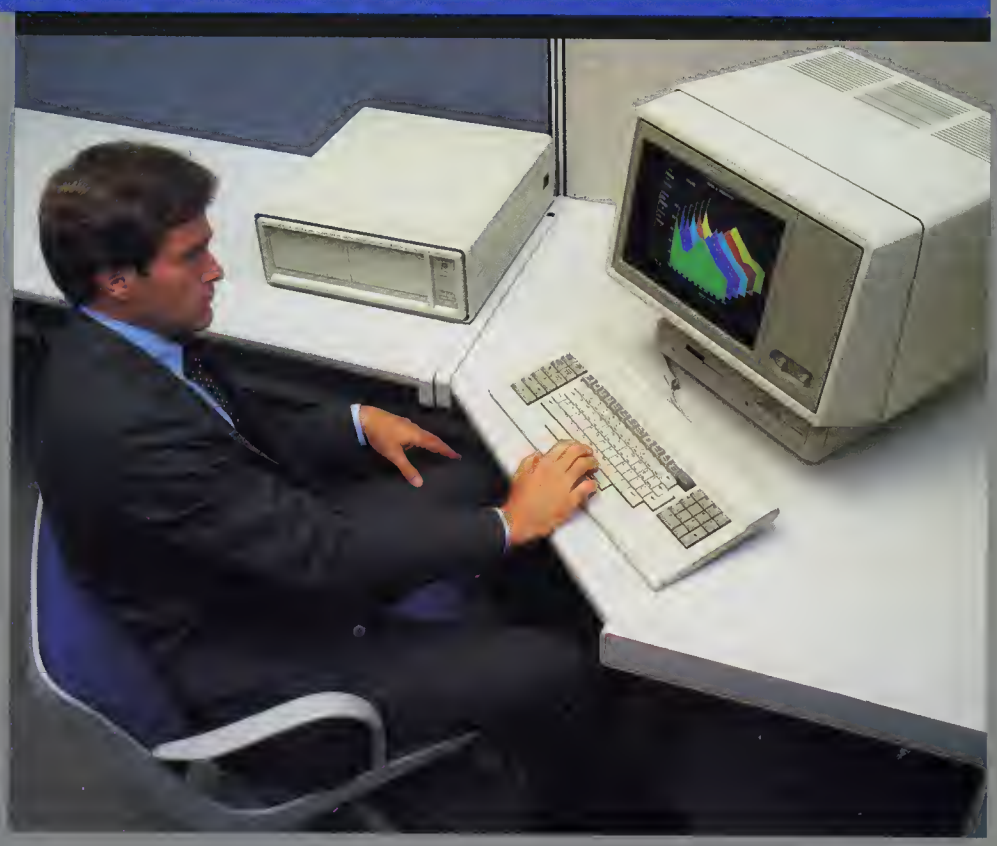
No matter how the terminal is used, the UTS 60 provides the same superior ergonomic features as the other members of the UTS family.

The latest in ergonomic principles, such as a low-profile keyboard, tilt-rotate base and sharp focus for a crisp display, were incorporated in the design.

The UTS 60. It brings you all the advanced features of the UTS 4000 family of terminals . . . in graphic color.



MORE ABOUT THE UTS 60...



The UTS 60 programmable terminal provides outstanding color and graphics at extremely fast speeds. It uses the 16/32-bit Motorola MC68000 microprocessor as its central processor and the Zilog Z80 as a secondary processor to control the peripherals and the video section of the system.

For superb graphics when operating on-line or stand-alone, the Dot Graphics feature can be added for drawing lines, polygons, arcs, sectors, rectangles and circles.

This feature uses dedicated memory for delivering 51 dots per inch both horizontally and vertically. It runs in conjunction with the Business Graphics Utility.

On-line graphics are provided by the MAPPER Graphics system.

Eight colors are standard: red, green, blue, yellow, magenta, cyan, white and black. Eight additional colors are provided with the Dot Graphics feature: grey, tan, aqua, yellow-green, violet, hot pink, turquoise and pink.

The terminal's standard memory is 128K bytes, expandable to 2 million bytes of Error Correcting Code memory. A two-drive 5¼-inch diskette subsystem and a 5¼-inch Winchester hard disk drive can be attached to the terminal. At least one 5¼-inch diskette drive is required.

The CRT is a 14½-inch diagonal screen and provides 80 characters per line. There are 25 lines with the 25th used as a status line.

As a completely soft terminal system, the UTS 60 can fill a variety of roles including that of a personal computer operating under the CP/M-68K* operating system. Up to 2 million bytes of RAM are available for programming.

You choose how you want to operate the terminal by merely loading the appropriate software from the 5¼-inch diskette subsystem.

The ergonomic features of the UTS 60 terminal include a low-profile keyboard that can be easily moved to the most comfortable position. The keyboard, which is a mere 30 mm high at the home row, is attached to the terminal by a cable more than six feet long. The keyboard also has an adjustable foot that enables it to be operated either flat on a desk or slanted to a 12-degree slope.

Other ergonomic features include improved display focus for sharp, clear characters.

For hard copies of your work, three printers are available, including one with dot graphics and color options.

The terminal, whether directly connected to the mainframe or connected via the RS232/V.24 modem interface, uses the standard UNISCOPE synchronous communications control procedures. The terminal can also be connected by the Direct Connect Module or a Terminal Multiplexor.

Data can be transmitted at up to 9,600 bits per second.

The UTS 60 can operate stand-alone or on-line with the UTS 4000 Compatible Mode Terminal Control Program. This control program can operate with a number of products, including those for programming in UTS COBOL.

*Trademark of Digital Research Inc.

What follows are some of the products available under the terminal control program.

Edit Processor—For creating and maintaining source code files on the UTS 60.

File Transfer Utility—When used with a host system editor, the utility transfers source code files to the mainframe while receiving and controlling print files from it.

Diskette File Utility—Handles media and format code translations and transfers files between UTS 60 mass storage subsystems.

Business Graphics Utility—Uses interactive prompts for creating and editing graphs, charts and composite graphs and charts. These can either be displayed immediately or stored.

UTS COBOL—Supports the compilation and subsequent downline loading of interpretive COBOL programs from a mainframe. UTS COBOL is based on a subset of the ANSI X3.23-1974 standard and includes significant syntax extensions for terminal functions and screen handling. COBOL programs developed for earlier UTS terminal products will run on the UTS 60 after being recompiled.

UTS Character Set Utility—A stand-alone utility allowing the interactive creation, modification and loading of the standard soft character set.

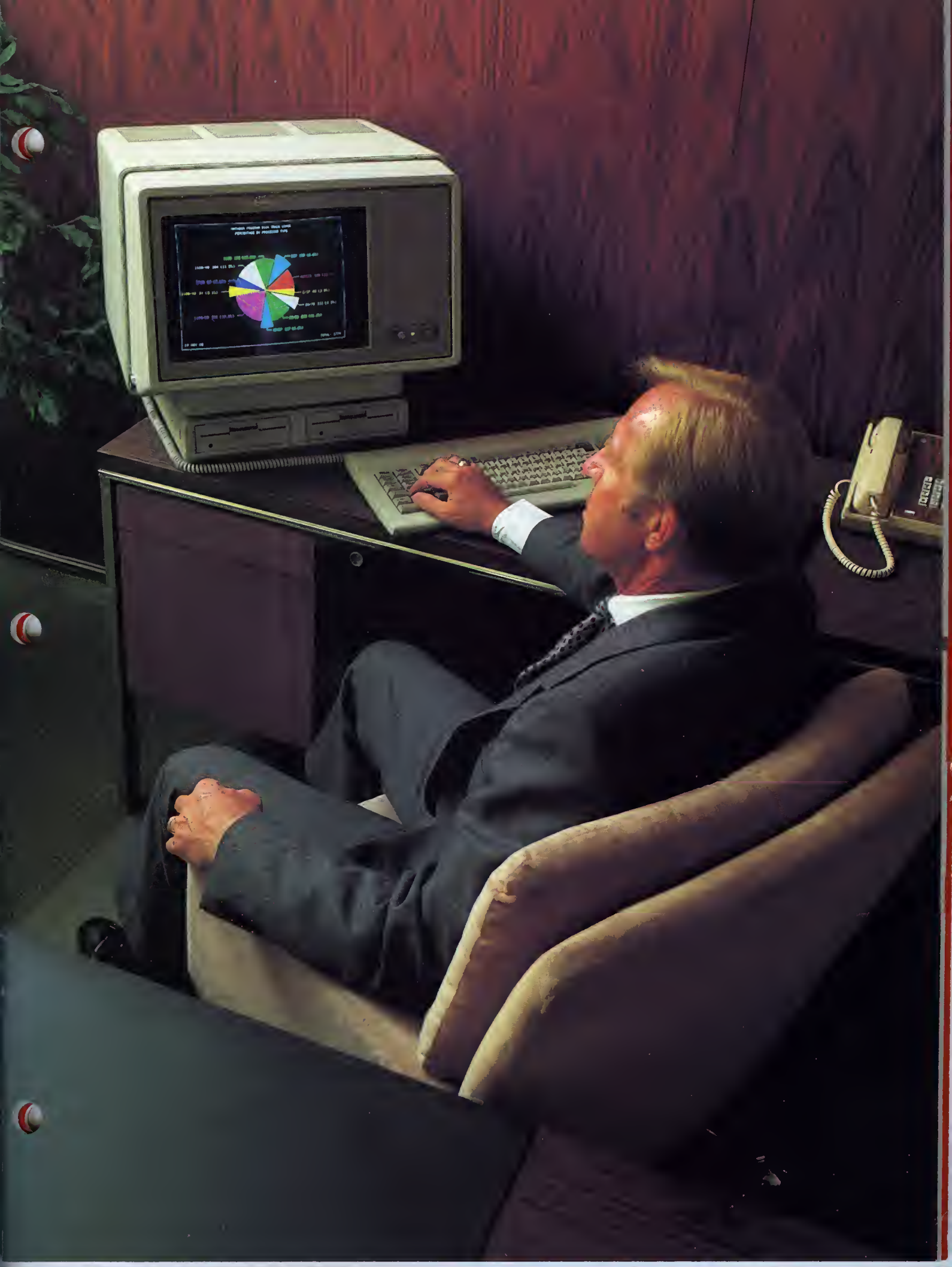
Operating under control of the CP/M 68K Operating System, the UTS 60 is transformed into a powerful 16-bit personal computer.

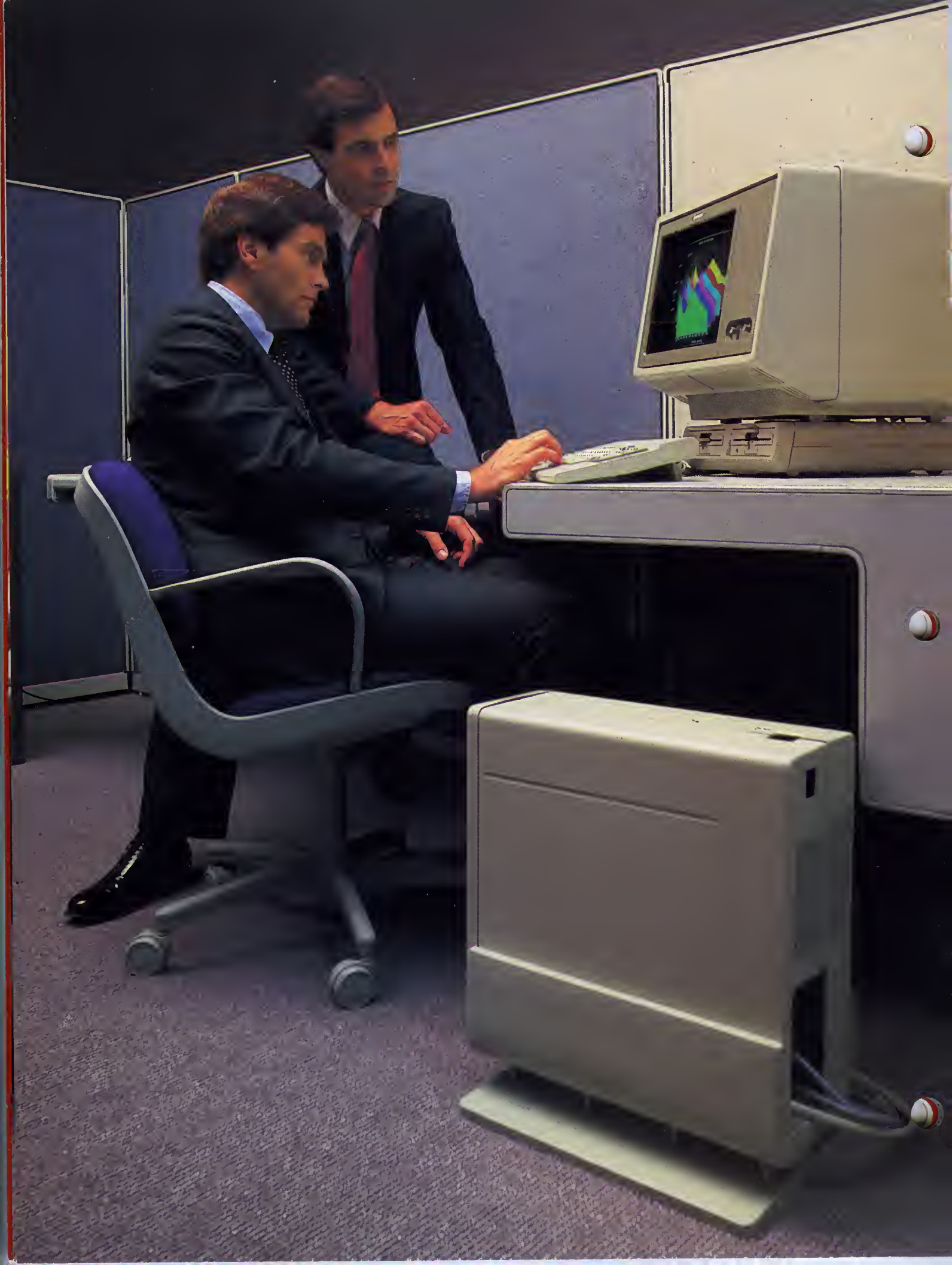
The available application packages that operate under CP/M 68K control must be obtained from independent software vendors or distributors. These packages are supported by the respective vendors according to the terms of their sales agreements.

Sperry has developed two utilities for the CP/M operating system. They are:

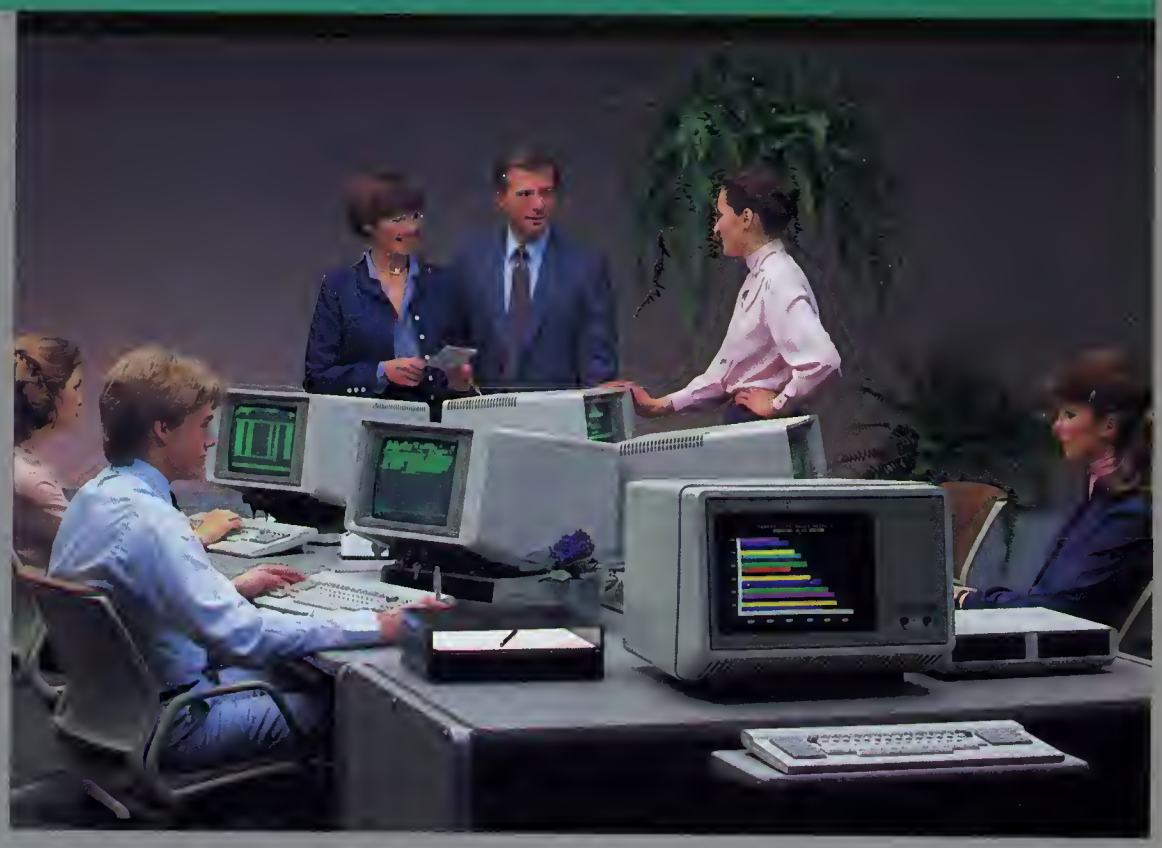
TTY Protocol Utility—Supports the asynchronous transmission and reception of data using TTY device protocols when connected to a system via a communications line.

UNISCOPE Protocol Utility—Supports the synchronous transmission and reception of data using UNISCOPE device protocols when connected to a system via a communications line.





POWERFUL PERIPHERALS



A full line of peripherals are available to match your growth and changing requirements. These include:

The 8439 Diskette Subsystem— Provides 737K of storage on a 5¼-inch diskette when formatted at 512 bytes per sector. The UTS 60 supports a maximum of four drives, each of which is connected to the terminal via the standard SA 400 diskette interface.

The 8441 Mass Storage Subsystem— Uses Winchester disk technology and 5¼-inch media for storage. It is available in a capacity of 30 MB per drive. This subsystem is connected via the Small Computer Systems Interface. A backup subsystem is offered using 5¼-inch diskettes.

The Model 31 Correspondence Quality Printer—Uses a daisy wheel to produce type of exceptional quality. It operates at 55 characters per second and is especially well suited for executive and professional needs.

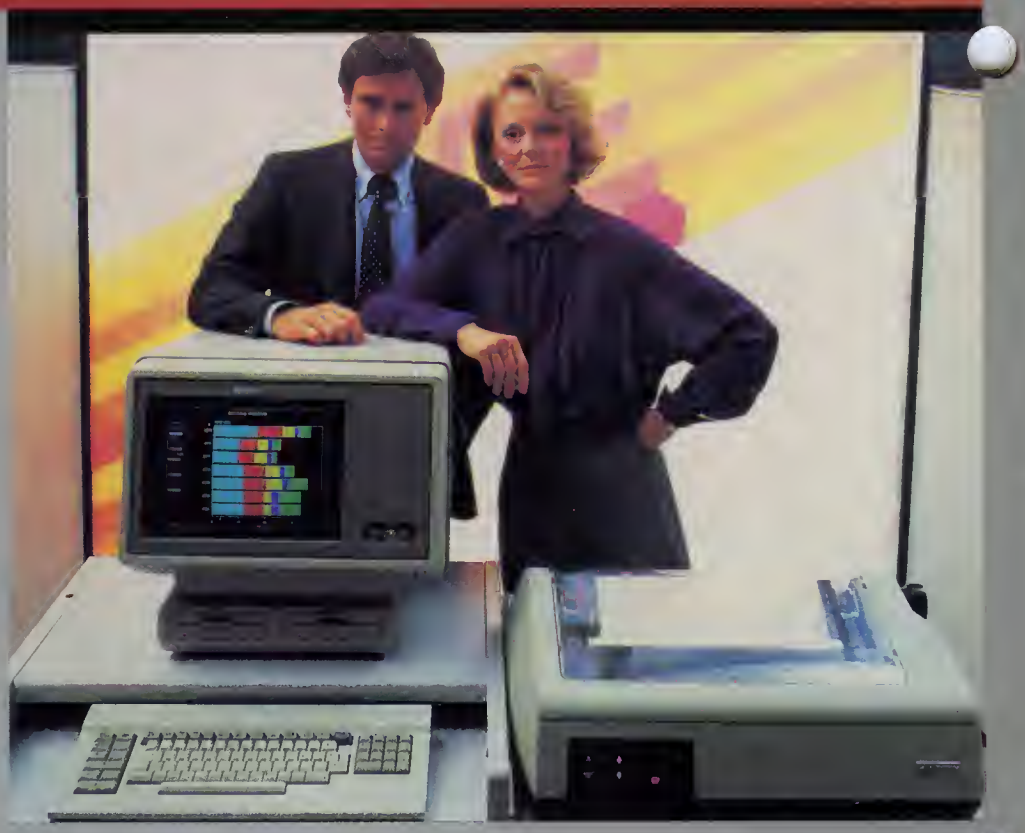
The Model 25 Matrix Character Printer—A serial printer that comes in two models: a single speed model that operates at 160 characters per second with bi-directional printing; a dual speed model that provides selective high-quality printing at 40 characters per second with bi-directional printing. Other features include multiple print pitches and elongated characters.

The Model 35 Matrix Character Printer— A serial printer that prints up to 132 columns. It prints 400 characters per second bi-directionally. It has a dual mode operation that can provide high-quality printing at 100 characters per second bi-directionally. It can also print in four colors, and graphics and supports different print pitches and elongated characters.

The Model 4504 Multi-Pen Plotter—Uses six pens housed in a quick-change cartridge-for speedy replacement when plots require more than six colors. The 4504 supports the Hewlett Packard Graphics Language for device command and control. The UTS Dot Graphics feature is required.

The Model 4551 Graphics Input Tablet— Is a graphics drawing input device that uses an 11 x 11-inch inductance tablet and signal pen. The tablet can produce input with a .005-inch resolution at a rate up to 200 position inputs per second. The UTS 60 Dot Graphics feature is required.

SUMMARY



The UTS 60 terminal offers 16 colors, which make it possible to mix text and graphics—each in a different color.

Like our other advanced UTS terminals, the UTS 60 incorporates many human engineering features and is programmable.

The ergonomic features of the UTS 60 terminal include a low-profile keyboard, a tilt/rotate base and the ability to adjust the character brightness.

Since it is a "soft" terminal system, you can choose how you want to operate the terminal by merely loading the appropriate software from the 5¼-inch diskette subsystem.

And being programmable, the UTS 60 terminal can fill a variety of needs.

With its high resolution and graphics input tablet, the UTS 60 can be used as a graphics terminal.

It can be used as a powerful personal computer that contains 2 million bytes of memory.

Or it can be connected to a mainframe to access corporate files.

When it comes to satisfying today's requirements for interactive processing, communications, program development, stand-alone processing, personal/professional computing and color gaphics, the UTS 60 is the terminal.

SPERRY

We understand how important it is to listen.

S7474

8308 Printed in U.S.A.